# 11/9/2022

# brcc keystone logo

Baton Rouge Community College

*Academic Affairs Master Syllabus*

Date Approved: 1 December 2022

Term and Year of Implementation: Fall 2023

**Course Title:** Non-Structural Damage

**BRCC Course Rubric:** CLRP 1105

**Previous Course Rubric**:

**Lecture Hours per week-lab hours per week-credit hours**: 3-4-5

**Per semester: Lecture Hours-Lab Hours-Instructional Contact Hours**: 45-60-105

**Louisiana Common Course Number:**

**CIP Code:** 47.0603

**Course Description:** Covers types of hardware and provides an overview of their uses during the repair process. Also covers methods for removing damaged and undamaged fasteners as well as thread restoration and installation. Covers adhesive bonding materials and explains differences between adhesive and cohesive failure as well as a basic knowledge of steel Gas Metal Arc (GMA) welding. This course requires a lab fee.

**Prerequisites:**  MVSB 1002, MVSB 1003, and MVSB 1604

**Co-requisites:** CLRP 1114

**Suggested Enrollment Cap:** 20

**Learning Outcomes.** *Upon successful completion of this course, the students will be able to:*

1. Work with trim and moldings.

2. Explain the roles of movable glass in vehicles and types of drive mechanism.

3. Identify characteristics of and considerations for steel repairs.

4. Demonstrate correct preparation procedueres for plastics.

5. Work with one-part and two-part adhesives.

**Assessment Measures.** Assessment of all learning outcomes will be measured using the following methods:

1. Practical demonstrations and skills performance

2. Homework assignments, quizzes, and tests

**Information to be included on the Instructor’s Course Syllabi:**

* ***Disability Statement*:** Baton Rouge Community College seeks to meet the needs of its students in many ways. See the Office of Disability Services to receive suggestions for disability statements that should be included in each syllabus.
* ***Grading:*** The College grading policy should be included in the course syllabus. Any special practices should also go here. This should include the instructor’s and/or the department’s policy for make-up work. For example in a speech course, “Speeches not given on due date will receive no grade higher than a sixty” or “Make-up work will not be accepted after the last day of class”.
* ***Attendance Policy*:** Include the overall attendance policy of the college. Instructors may want to add additional information in individual syllabi to meet the needs of their courses.
* ***General Policies*:** Instructors’ policy on the use of things such as beepers and cell phones and/or hand held programmable calculators should be covered in this section.
* ***Cheating and Plagiarism*:** This must be included in all syllabi and should include the penalties for incidents in a given class. Students should have a clear idea of what constitutes cheating in a given course.
* ***Safety Concerns:*** In some courses, this may be a major issue. For example, “No student will be allowed in the lab without safety glasses”. General statements such as, “Items that may be harmful to one’s self or others should not be brought to class”.
* ***Library/ Learning Resources:*** Since the development of the total person is part of our mission, assignments in the library and/or the Learning Resources Center should be included to assist students in enhancing skills and in using resources. Students should be encouraged to use the library for reading enjoyment as part of lifelong learning.

**Expanded Course Outline:**

I. Orientation to Non-Structural Damage I Collision Repair

A. Types of hardware

B. Hardware removal and restoration

II. Hardware Removal and Restoration

A. Hardware removal and storage

B. Removing damaged and undamaged fasteners

C. Thread restoration installation

III. Trim and Moldings

A. Exterior trim and considerations around application

B. Attachment and removal methods for weatherstriping

IV. Pinstripes and Decals

A. Tools for painted pinstripes

B. Application and removal techniques for decals

V. Interiors

A. Location for speaker mounting

B. Removal and installation of interior door trims, carpet, third brake lights, and headliners

VI. Front and Rear Trim

A. Underhood, grille, trunk, and liftgate trims

B. Attachment methods

VII. Adhesive-Bonding Materials

A. Repairs with adhesives

B. Bonding exterior panels

VIII. Attachment Processes

A. Adhesively bonded sectioning joint

B. Weld bonding

IX. Weld Bonding Process

A. Weld bonding replacement parts

B. Vehicle maker adhesive lists

X. Rivet Bonding Steel Vehicles

A. Rivet bonding process

B. Tool and rivet selection

XI. Two-Part Adhesive Bonding Repairs

A. Part removal and cleaning

B. Prepare replacement part

XII. One-Part Adhesive Bonding Repairs

A. One-part adhesives

B. Applying adhesive